### **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# Flecks

# SEASONABLE OFFERS

Return Postage Guaranteed

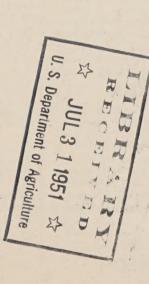
If addressee has moved and new address is known, notify sender on [FORM 3547] postage for which is guaranteed.

# RAYMOND A. FLECK, Inc.

1042 Allengrove St.

Philadelphia 24, Pa.

FOR ITEMS NOT LISTED IN THIS FOLDER SEE OUR 1951 GENERAL CATALOG



U.S.DEPT.OF AGRICULTURE WASHINGTON 25, D.C.





# Antirrhinum

### ALL THE BEST-Greenhouse Forcing "SNAPS"

Originator's Packets

Special Note—Seed should be sown late June or July for Winter flowering in Northern States. Late July or early August in Southern States. High temperatures retard germination. Select a cool location for the seed flats where there is good air circulation. Water sparingly but keep moist, until seedlings are well established. We recommend using sterilized soil and it should not be fertilized. Dust seeds with Proliferol or Hormo-Root before sowing.



Meine's "Easter Yellow" New—Finest Double

YELLOW Tr.	pkt.
Carol Jean (Dornacher). Shade lighter than Ethel.	
Large blooms\$	2.00
(	1.50
	2.00
	2.00
	3.00
Patricia (Yoder) (New Hybrid). Medium vellow.	3.00
Habit similar to Margaret.  Peggy Schumann Yellow	2.00
Rockwood's Winter Yellow. Beautiful yellow; one of	2.00
the best	2.00
the best	
medium to late	2.00
Schlegel's Early Yellow	1.50
Sunray (Witterstaetter). Large flowers; long spikes	1.50
BRONZE AND ORANGE SHADES	
Afterglow (Witterstaetter). Early. Golden bronze	1.50
Barbara (Yoder) (New Hybrid). Large-flowered	3.00
bronze with pink throat	5.00
Early.	2.00
Early Colorado Peach (Imp. Afterglow). Medium early	3.00
Early Glorious (Windmiller)	1.50
Gilbert's Bronze Beauty. Improved	2.00
Glorious (Frank). Deep bronze shaded scarlet	1.00
Lady Dorothy (Spivak). Perfect early bronze	3.00
Priscilla Ann (Yoder) (New Hybrid). Early crimson,	0.00
trace of yellow on lips	3.00
Red Wing (Weddle) (New Hybrid). Early, velvet red. Rockwood's Lavender Bronze. New two-tone	3.00
Schlegel's Early Bronze.	2.00
Schieger's Early Bronze	2.00
RED	
Better Times (Windmiller). Rich American Beauty	-11
Rose red (for Christmas)	2.00
Rockwood's Crimson Queen. Velvety crimson or	
deep scarlet. Early sowings can be flowered for Christ-	0.00
mas and New Year markets	
Schumann's Velvet Red (New)	3.00

Crystal White (New, 1949) (Rockwood). Excellent late variety. Does well late Spring and Summer. For Spring crop—bench by November 1st. For Summer single stem culture bench June 1-15
Koester's White. Early pure white
Margaret (J. S. Yoder). Ivory white. 2.00  Meine's Hybrid White. New. Jumbo florets. Same shade as Margaret. 3.00  Rockwood's Early White. Pure white. 2.50  Rockwood's Tall Early White. 2.50  Rockwood's Ivory. Rich ivory shaded white. Best white for the Mother's Day market. 2.00  Schlegel's Early White. 1.50  Snow (Pan. Amer.) (New Hybrid) Pure white. 3.00  Snowdrift (Pan. Amer.) (New Double White). 3.00  Westover's Fringed White. Medium early. 1.00  White Marion (Schumann). Midseason. 1.50  Yuletide (Schlegel). Early. 2.00  PINK AND ROSE SHADES  Christmas Cheer (Windmiller). Beautiful bright pink. Best for December cutting; comes back for fine second crop. 3.00  Christina (Yoder Bros.). New hybrid. Lively medium pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Meine's Hybrid White. New. Jumbo florets. Same shade as Margaret
shade as Margaret
Rockwood's Tall Early White
Rockwood's Ivory. Rich ivory shaded white. Best white for the Mother's Day market
white for the Mother's Day market
Snow (Pan. Amer.) (New Hybrid) Pure white
Snowdrift (Pan. Amer.) (New Double White)
Westover's Fringed White. Medium early
White Marion (Schumann). Midseason
Yuletide (Schlegel). Early
PINK AND ROSE SHADES  Christmas Cheer (Windmiller). Beautiful bright pink. Best for December cutting; comes back for fine second crop. 3.00  Christina (Yoder Bros.). New hybrid. Lively medium pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Christmas Cheer (Windmiller). Beautiful bright pink. Best for December cutting; comes back for fine second crop. 3.00  Christina (Yoder Bros.). New hybrid. Lively medium pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Christmas Cheer (Windmiller). Beautiful bright pink. Best for December cutting; comes back for fine second crop. 3.00  Christina (Yoder Bros.). New hybrid. Lively medium pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Best for December cutting; comes back for fine second crop. 3.00  Christina (Yoder Bros.). New hybrid. Lively medium pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Christina (Yoder Bros.). New hybrid. Lively medium pink
pink. 3.00  Delworth's Supreme. Rose pink. 1.50  Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50  Gilbert's Pamela Pink. Early medium pink. 3.00  Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Delworth's Supreme. Rose pink. 1.50 Dorcas Jane (J. S. Yoder). Brilliant rose pink. 2.50 Gilbert's Pamela Pink. Early medium pink. 3.00 Gilbert's Pink Supreme. A fine early pink. 2.00 La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50 Maiden's Blush (Thomson). Early Appleblossom. 1.50 Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50 Maryland Pink (Winkler). Early, light pastel pink. 3.00 Peggy Schumann (Schumann). Early. Medium rose pink. 2.00 Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00 Rockwood's Pink Supreme. Brilliant rose pink at its
Dorcas Jane (J. S. Yoder). Brilliant rose pink
Gilbert's Pamela Pink. Early medium pink. 3.00 Gilbert's Pink Supreme. A fine early pink. 2.00 La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50 Maiden's Blush (Thomson). Early Appleblossom. 1.50 Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50 Maryland Pink (Winkler). Early, light pastel pink. 3.00 Peggy Schumann (Schumann). Early. Medium rose pink. 2.00 Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00 Rockwood's Pink Supreme. Brilliant rose pink at its
Gilbert's Pink Supreme. A fine early pink. 2.00  La France (Windmiller). True silvery pink. Ruffled. Midseason. 1.50  Maiden's Blush (Thomson). Early Appleblossom. 1.50  Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
La France (Windmiller). True silvery pink. Ruffled. Midseason
Maiden's Blush (Thomson). Early Appleblossom 1.50 Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50 Maryland Pink (Winkler). Early, light pastel pink 3.00 Peggy Schumann (Schumann). Early. Medium rose pink 2.00 Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June 3.00 Rockwood's Pink Supreme. Brilliant rose pink at its
Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50  Maryland Pink (Winkler). Early, light pastel pink. 3.00  Peggy Schumann (Schumann). Early. Medium rose pink. 2.00  Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.00  Rockwood's Pink Supreme. Brilliant rose pink at its
Maryland Pink (Winkler). Early, light pastel pink 3.00  Peggy Schumann (Schumann). Early. Medium rose pink
Peggy Schumann (Schumann). Early. Medium rose pink
the best early and All-Season varieties. Produces good flowers from September to June
Rockwood's Pink Supreme. Brilliant rose pink at its
best in midseason
LAVENDER  Routha Raur (Schumann) Early 1.50
Bertha Baur (Schumann). Early
Rockwood's Lavender Bronze. New two-tone
Rockwood's Winter Lavender. Same color as Lavender
Rose but much earlier. Blooms with Rockwood's Winter Yellow 2.00

# Fleck's Stocks

Another one of our specialty seeds grown for us under contract by originators and specialists who are constantly improving the strains. Nothing finer offered anywhere.

18.500 seeds per ounce.

### GIANT COLUMN EXCELSIOR

Our Greenhouse Produced Seeds-Superior Quality

### NON-BRANCHING VARIETIES

Sowings from August to December will bloom in about 5 months. However, planting as late as February 15 will flower around June 15.

### WHITES

Fleck's White Improved, No. 30. Large-flowered pure white, producing good spikes, with well formed long flower heads. Very high double percentage; slightly taller and stronger grower than Ball No. 16.

Ball White Improved, No. 16. Pure white, extra large florets on well-formed, compact spikes.

Fleck's Deep Rose. Brilliant deep rose. Ball Rose Pink, No. 14. Deep, bright rose pink. Ball Supreme, No. 22. Rich, silvery rose, long, stiff stems. Chamois Pink, No. 9. Attractive, buff and pink; two-tone. Malmaison Pink. Shell pink, pastel class.

### REDS

Fleck's Ruby. Deep red. Illusion. Deep ruby red.

### YELLOWS

Ball Apricot, No. 20. Large-flowered, creamy buff. Deep Apricot. Shade darker than Ball Apricot. Yellow Wonder. Rich, full toned cream yellow. Superior in every way to Gold Standard.

### LILACS AND PURPLES

Lilac Lavender, No. 1. Large-flowered strain.

Silvery Lilac. Beautiful sheen.

Fleck's Purple Heart, No. 21. Bright violet purple, longstemmed.

### MIXTURE

Fleck's Special Blend. Compounded in proportion of colors as to their popularity.

Prices of any of the above: ½ tr. pkt. 55c., tr. pkt. \$1.00, ½ oz. \$1.50, ¼ oz. \$2.50, oz. \$9.00, ¼ lb. \$32.50

### GIANT IMPERIAL (Super) Improved BISMARCK (Branching)

Fine for cut or bedding, greenhouse or outdoors. An old favorite. Large, early flowered with good doubles percentage.

Buttercup. Rich yellow. Chamois. Ivory tinted old rose to buff.

Elk's Pride. Rich, deep royal purple.

Flesh. Pale coral pink.

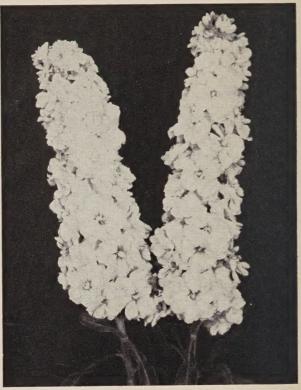
Lavender. Silvery blue. Lilac. Fairy deep lilac blue. Rose (Rose Charm). Rich

deep rose.

Shasta. Pure white, giant flowered.

Tr. pkt. 35c., ½ oz. 65c., ¼ oz. \$1.15, oz. \$3.50

Florists Mixture. A brilliant blend of choice named varieties. Tr. pkt. 35c., ¼ oz. \$1.00, oz. \$3.25



Stock, Giant Column Fleck's White Improved No. 30

Beyond doubt the best white today. Unsurpassed for doubleness, large flower head and pure white, velvety, fluffy

### GIANTS OF CALIFORNIA

28 to 36 in.

This early flowering, branching type is very popular with a good many growers. Does well planted closely.

Golden Gate. Soft, clear Santa Maria. Finest purest creamy yellow.

Mojave. Rich, velvety royal

purple.

acific. Lilac blue mauve. Pacific. Santa Barbara. Chamois

white.

Tahoe. Clear lavender. Yosemite. Rich rose pink: Blend of All Varieties.

Tr. pkt. 35c., ½ oz. 70c., ¼ oz. \$1.25, oz. \$4.50

### DWARF TEN WEEK

12 in. (Double)

Excellent for bedding and pot plants.

Blood Red Dark Blue **Brilliant Rose** Lavender Light Blue Canary Yellow Crimson White Dwarf Ten-Week Mixture.

Tr. pkt. 25c., ¼ oz. 65c., oz. \$2.00



### TALL TEN WEEK

Double Mixed. Beautiful blend of early flowering, high double percentage; wonderful for outdoor cut. Tr. pkt. 20c., ½ oz. 60c., oz. \$1.80, ¼ lb. \$6.00.

# Fleck's Sweet Peas

All the Best and Most Popular Varieties. All Good Profit Builders for Our Florist Friends

### EARLY or WINTER FLOWERING VARIETIES 350 S.

Best results obtained from this group if planted in August and up to January 1. In the South and all frostless sections sow 2 inches deep early in Fall and the plants will bloom, depending on location, from Christmas until late Spring.

### PINK SHADES

American Beauty. Deep rose.

Annie Laurie. Pure rose pink.

Attraction. Clear bright salmon pink.

Ball Rose Supreme. Large, wavy flowers of bright, silvery rose pink. Fine producer.

Bridesmaid. Deep, silvery pink. Heavy stems, vigorous, large-flowered.

Daphne. Soft salmon pink on cream ground.

Hiawatha. Deep rose self, exceptionally large flowers with four blooms to stem.

Jeanne Mamitsch. Long stem, rose.

Josie. Brilliant rose pink, long stems.

Majestic Rose. Deep brilliant rose pink.

Shirley Temple. Rose pink.

### RED SHADES

Fiesta. Orange cerise.

Signal Red. Sunproof brilliant scarlet.

### WHITES

Fleck's White Giant Wonder (New). Pure white, very large flowers placed in fours on long, strong stems. Good, strong grower. This is the largest in the early flowering class. You owe it to yourself to try this. Best cut and a real money-maker.

Cascade. Pure glistening white.

Gardenia. Dense paperwhite. Vigorous grower.

Hope Improved. Pure paperwhite. Black-seeded.

White Harmony. Black seeded.

### **BLUE SHADES**

Ball Blue Supreme. Bright blue.

Blue Bonnet. Best clear blue.

Mrs. Herbert Hoover. Brilliant blue.

Princess Blue. Rich light blue.

Waves. Mid-blue, large ruffled flowers.

### LAVENDER SHADES

Harmony. Clear lavender.

Triumph. Lilac mauve. Long-stemmed.

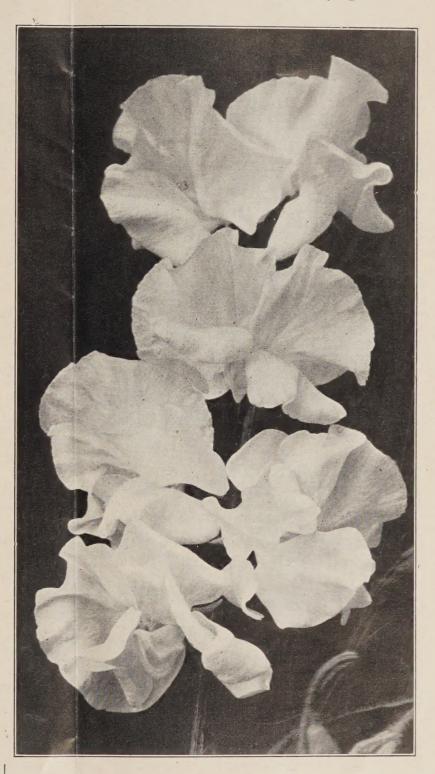
Twilight: Medium clear lavender.

### ORANGE SHADES

Ball Orange Supreme. Rich orange.

Treasure Island. Sparkling golden orange, large duplexed.

Prices on all of the above: ½ oz. 30c., oz. 50c., ¼ lb. \$1.50, ½ lb. \$2.80, lb. \$5.50



### MIXTURE

Fleck's Special Early Winter Flowering Mixed of Varieties We
-List

 $\frac{1}{2}$  oz. 30c. oz. 50c.  $\frac{1}{4}$  lb. \$1.40  $\frac{1}{2}$  lb. \$2.40 lb. \$4.50 Pound rate allowed on orders in  $\frac{1}{4}$  lb. lots, if order totals 1 lb. or more.

# Heck's Fine Pansy Seeds 25,000 S

### ALL THE BETTER STRAINS

We offer seeds produced by specialists. No finer strains or selection offered anywhere. Pansies as well as Violas can be started in January, for sale in pans or out of flats during late Spring in bloom.

Write for prices on pound lots



**Pansies** 

### SEPARATE COLORS

Alpenglow. Rich garnet and ruby shades with dark blotches. Berna. Dark, velvety violet blue.

Coronation Gold. Large golden yellow without blotches or markings.

Firebeacon. Brick red.

Fireglow. Glowing bronze apricot.

Rheingold. Deep golden yellow with large black blotches on lower petals.

Ullswater (Lake of Thun). Marine blue with darker blue blotches showing through.

White (Mont Blanc). Large pure white, free flowering. Tr. pkt. 75c., 1/16 oz. \$1.10, ½ oz. \$1.75, ½ oz. \$2.85, oz. \$9.85, 4 ozs. \$30.00

### **NEW COLORS**

Orange. Orange yellow, or light orange. Carmine blotch on soft pink ground. Raspberry Rose. Distinctive.

Price of above two, each: Tr. pkt. 90c., 1/16 oz. \$1.25, 1/8 oz. \$2.25, 1/4 oz. \$4.00

### FLECK'S WINTER FLOWERING GIANTS

Tall growing greenhouse strain is especially produced for florists, for Winter and early Spring cut flowers. Good range of colors. Sweet-scented, long-stemmed, about 10 in. Blooms about 2 to 3 in. across. Does well from a July or August sowing.

½ tr. pkt. 60c., tr. pkt. \$1.00, 1/16 oz. \$1.50, ½ oz. \$2.50, ¼ oz. \$4.75

Felix. Nice color range. Vein markings emphasized. Dwarf

Tr. pkt. 90c., ½ oz. \$2.75, ¼ oz. \$4.90, oz. \$14.50.

Fleck's Giant Mixture of Dwarf Strains. Swiss types very dwarf, compact; extra early flowering. Complete range of colors, running to brighter sorts.

Tr. pkt. 60c., ½ oz. \$1.35, ¼ oz. \$2.50, oz. \$7.50, ¼ lb. \$25.00.

Fleck's Jumbo Mixed (Mastodon strain). An early, large-flowered mixture, producing long-stemmed flowers. Grown from originator's stock specially for us. Wide range of colors and the state of the state Tr. pkt. 60c., ½ oz. \$1.35, ¼ oz. \$2.60, oz. \$9.00, ¼ lb. \$30.00.

Fleck's Mammoth Exhibition. Choice mixture of largeflowered Swiss Strains.

Tr. pkt. 60c., ½ oz. \$1.25, ¼ oz. \$2.35, oz. \$8.50

Fleck's Rainbow Mixture. Brilliant, large-flowered varieties compounded for the large grower. Tr. pkt. 50c., ½ oz. \$1.15, ½ oz. \$2.00, oz. \$7.00, ½ lb. \$24.00

America Mixture. Extremely bright, early flowering and dwarf. Good variety of colors. Tr. pkt. 60c., ½ oz. \$1.45, ¼ oz. \$2.45, oz. \$8.00

Engelmann's Giant Mixed. Early, compact, robust grower; flowers average nearly 4 in. across on heavy stems. Both light and dark shades, good percentage of bronze and reds. Tr. pkt. 70c.,  $\frac{1}{8}$  oz. \$2.10,  $\frac{1}{4}$  oz. \$3.50, oz. \$11.90

Maple Leaf Giants Super Mixture. Large-flowered, good bloomer, compact, luxurious dark green foliage and large leaves.

Tr. pkt. 50c., ½ oz. \$1.45, ¼ oz. \$2.45, oz. \$8.50

Macdonald's Scottish Exhibition Strain. 4 in. flower, new and varied color combinations, running to intense, heavily blotched flowers.

Tr. pkt. 60c., ½ oz. \$1.75, ½ oz. \$3.40, oz. \$10.90

Masterpiece. Ruffled and frilled giant blooms. Nice range of colors.

Tr. pkt. 60c.,  $\frac{1}{8}$  oz. \$1.35,  $\frac{1}{4}$  oz. \$2.60, oz. \$9.00

Swiss Giants Choice Mixed. From stock seed of European and domestic strains with straight colors of Roggli type added, makes this a really high grade mixture. Flowers average 3 to 4 in.

Tr. pkt. 60c.,  $\frac{1}{8}$  oz. \$1.10,  $\frac{1}{4}$  oz. \$1.90, oz. \$6.50

Super Swiss Giants Mixed, Improved. An improvement on the original strain. Enormous flowers, fine color range, well marked, many ruffled and curled. Long stems. Sturdy grower.

Tr. pkt. 60c., ½ oz. \$1.35, ¼ oz. \$2.60, oz. \$9.00

Trimardeau Improved Mixed. Unsurpassed for mass of color for all bedding purposes. Tall grower. Extremely floriferous. Full color range and combinations having both blotched and self colors. Tr. pkt. 40c., ½ oz. 75c., ¼ oz. \$1.25, oz. \$4.50, ¼ lb. \$15.00

VIOLAS—See our general catalog.

### KNEE PADS

Heavy duty, cushioned. Just the thing for the professional.

### FLECK'S SEEDS



Calceolaria (Pocket Book)



Cineraria, Multiflora Nana



Schizanthus

### CALCEOLARIA

Approximately 10,000 S to 1/64 oz.

Calceolaria do not like direct sun but a light, airy place and temperature around 50 degrees.

To finish in 6-inch pot for Easter sow seeds June-July. To finish in 5-inch sow about August 15. For 4 inch sow about September. Tr. 1/128 1/64

### CINERARIA

### All the Better Strains

Berlin and Siters run about 3600 S to 1/32 ounce. Others about 5000 S to 1/32 ounce. Sow from June on for Christmas and later flowering. Sow in sterilized soil.

Tr. 1/64 1/32 1/16

Berlin or Potsdam Strain, Mixed. pkt. oz. oz. oz.
Fine strain producing large rounded heads; medium large flowers, compact plants......\$1.00 \$1.75 \$3.20 \$6.20

flowered, compact; mostly white eyed and small foliage........... 2.00 2.50 4.50 8.00 Fleck's Blend. This is a carefully

blended mixture containing all of the above. 75% being Cremer's and Siter's strains............. 1.50 2.25 4.00 7.00

### **DIDISCUS**

10,000 S Tr. pkt. ½ oz. Oz.

Coeruleus (Blue Lace Flower). 2 ft. See also "Queen Anne's Lace Flower" for

white which can be dyed any color.....\$0.25 \$0.35 \$1.15

**DELPHINIUM.** See our general catalog.

### Finest European and American Strains

We offer the newer and much improved introductions of specialists in Primulas. Seeds sown in June will make good plants for Christmas and January. September sowing for Spring sales. Sow in sterilized soil with low nitrate content. No feeding until well established.

### OBCONICA, GIANTS

4000 S per 1/32 oz.

Avalanche. White Coerulea. Blue Fasbender. Red Mueller & Mohnstein.

PRIMULAS

Salmon Rose.
Violacea. Deep violet
Fleck's Prize Mixture

Crimson

Prices of any of the above Primula Obconicas: Tr. pkt. \$1.20, 1/64 oz. \$2.20, 1/32 oz. \$4.20

Wyaston Wonder. Bright crimson flowers on enormous trusses, stiff-stemmed. Florets average 2½ in. across even on young plants finished in 4 in. pots. Tr. pkt. \$1.20, 1/64 oz. \$3.00, 1/32 oz. \$5.50, 1/16 oz. \$10.50.

### SCHIZANTHUS - Butterfly Flower

60,000 S

### GREENHOUSE STRAINS—For Pots and Cutting

Late Summer sowing for planting after early "Mums" will flower about March. If additional light is used from late October, blooming will commence in January. A January sowing will produce nice 3-inch pot plants for Spring combinations.

Tr. pkt. 1/8 oz. 1/4 oz.

Fleck's Mammoth Flowered Exquisite Mixed. Select greenhouse strain. 18 in. .\$0.70 \$1.90 \$3.50

Fleck's Dwarf Mixture. Compact dwarf strain. Medium size flowers. Does best in 3 or 4 in. pot. Excellent for small pot sales.

.50 1.50 2.50

 $50 \quad 1.25 \quad 2.20$ 

### FLECK'S SEEDS

### CENTAUREA

CYANUS (Double Cornflower, 30 in.)

For Spring greenhouse flowering or outdoors in June and July from a Fall sowing. We offer the finest strains available. 6500 S

Blue Boy. Good forcer Pinkie. Rose pink

Red Boy Snow Queen

Fleck's Special Mixed. Florist strain.

Above, each: Tr. pkt. 25c., oz. 45c., ½ lb. \$1.50, lb. \$5.00

### DWARF-For Pots, Borders

Tr. pkt. 1/4 oz. Oz.

Jubilee Gem. Deep blue.....\$0.20 \$0.35 \$1.00 Polar Gem. Upright bush habit; pure white .30 .50 1.50

### GIANT IMPERIALIS

Sweet-scented Cut Variety-30 in.

Thistle-like flowers and larger than the Cyanus type. 7500 S

Amaranth Red Brilliant Rose

Deep Lavender

White

Lavender Beauty. Light lavender with creamy white center.

Suaveolens. Yellow Sweet Sultan. 20 in. Mixed. Blend of above.

Above, each: Tr. pkt. 15c., \( \frac{1}{4} \) oz. 30c., oz. 90c.

### DUSTY MILLER

Fine for borders, vase and basket work.

Tr. pkt. 1/4 oz. Oz.

Candidissima. Silver gray foliage; slow

grower; start early. 6 in.....\$0.45 \$1.00 \$3.50

Gymnocarpa. Fine silvery foliage; fernleaved, strong grower. 24 in . . 1/4 lb. \$2.50, .15

### CALENDULAS

3000 S

One of our specialties. We offer the finest strains available anywhere. None better.

### GREENHOUSE VARIETIES

Fleck's Orange. A fine, reselected strain for florists. Orange red with dark center. Very large, double flowers with long orange petals. Vigorous habit, long stems. 30 to 36 in.

Apricot Beauty (New). Superior in every way to Ball Apricot Improved.

Ball Apricot Improved. Buff color with dark eye.

Ball Lemon Queen. Lemon yellow with brown eye.

Ball Improved Long Orange. Long stemmed; large flowered variety. Golden orange with light eye.

Campfire Sensation. Intense orange.

Tr. pkt. 35c.,  $\frac{1}{4}$  oz. 55c., oz. \$1.95, 2 ozs. \$3.45,  $\frac{1}{4}$  lb. \$6.25

Fleck's Special Florists' Mixture.

Tr. pkt. 35c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50, 2 ozs. \$2.50,  $\frac{1}{4}$  lb. \$4.90

### BEDDING VARIETIES

Lemon Queen. Sulphur yellow, with light eye.

Orange King. Deep orange with dark eye.

Radio. Quilled orange scarlet.

Bedding Mixture.

Tr. pkt. 15e., ¼ oz. 25c., oz. 80e., ¼ lb. \$2.30, lb. \$6.50

### EXACUM

28,000 S per 1/32 oz.

Affine. Fragrant, violet blue flowers. Makes a fine, neat pot plant. Easy to grow. ½ tr. pkt. 60c., tr. pkt. \$1.00, 1/128 oz. \$3.00, 1/64 oz. \$5.50.

### LARKSPUR

To get best germination results freeze seeds for several days before sowing.

### COCKADE TYPES-4 ft.

Tall, symmetrical plants, long branches of full, double flowers.

Blue. Rich lilac blue

Violet. Rich violet purple

Cinnabar. Brilliant rose red

White. Pure white

Rose. Salmon rose

Finest Mixed of all varieties

Salmon Pink

Pastel Shades, Mixed

Sapphire. Deep lilac

Tr. pkt. 20c., ¼ oz. 35c., oz. \$1.00, ¼ lb. \$3.00, lb. \$10.50

### GIANT IMPERIAL-4 ft.

Base branching, tall, upright grower.

Blue Bell. Azure blue

Carmine King Improved. Rosy carmine

Gloria Improved. Deep rose on salmon

Lilac King. Brilliant lilac shade

Los Angeles Improved. Salmon rose

Miss California. Salmon pink

White King. Large, double pure white

Imperial Florists Mixture

Tr. pkt. 25c., ¼ oz. 40c., ½ oz. 65c., oz. \$1.00, ¼ lb. \$3.60, lb. \$11.00

### SUPREMES—IMPROVED GIANT IMPERIALS

Dark Blue Pink Salmon Lilac Rose White

Supreme Mixture

Tr. pkt. 35e., ½ oz. \$1.00, oz. \$1.80, 4 ozs. \$6.00, lb. \$18.00

### IMPATIENS Best European Strains

Ideal for shaded locations. Good Spring seller.

Can also be flowered for Christmas.

Tr. 1/32 1/16pkt. oz.

3.30

Sultani Dwarf Bright Carmine. 6 in....\$1.00 \$1.75 \$3.00

Sultani Dwarf Mixture. 6 in. Many

shades; flowers continuously...... 1.00 1.75 3.00 Sultani Hybrids Mixed. 18 in. . . . . . . . . . . . 50 1.00 1.70

1.80 Holsti Vermilion. 18 in. Excellent for

Holsti Hybrids Mixed. 18 in. Many shades. .50 1.00 1.70

### **KALANCHOE** (Succulent)

Sow January or February for next Winter sales.

Brilliant Star. New Hybrid. Produces flowers several times larger than the common varieties. Bright, fiery red blooms on stems about 12 in. to 15 in. long which may be used to good advantage as cut flower. Attractive foliage at base of plant makes it an ideal pot plant.

Tr. pkt. \$1.50, 1/128 oz. \$3.50, 1/64 oz. \$6.50

Tr. 1/64 1/32

Blossfeldiana globuliflora coccinea. Tall, pkt. oz. oz. bright scarlet.....\$0.60 \$1.65 \$3.00

Tom Thumb. Dwarf strain of Blossfeldi-

ana, ideal pot plant. Bright scarlet..... 1.25 5.00 9.00

# Fleck's Crost Lilies

### Finest True Strain, Highest Bud Count

(WASHINGTON STATE GROWN)

Those who already know our brand of these fine Lilies, always reorder the following year. There must be a reason.



A House of Fleck's Croft Lilies Just Before Easter, 1950. Note high bud count.

The following is typical of many letters we receive:

### From North Jersey

Bulbs were fine. Had 1000 blooms on the 250 bulbs.

I potted them December 20, and they came in just right. 24 inches high from top of pot.

I want a case of 250 for 1951.

### From Rhode Island

Last years' 7/8's were beautiful. We realized 100% perfect blooms. Hit Easter right in time. Send 2 cases this year.

Order now for Easter 1952 forcing. Also for shipments from cold storage—December through April for continuous cuts next Spring and Summer.

Size	Cas	e ·	Per Case
7-8	-100	bulbs	
7-8	-250	bulbs	PRICES
8- 9	100	bulbs	TO BE
		bulbs	FSTARLISHED
9-10	— 50	bulbs	ABOUT
9-10	150	bulbs	SEPTEMBER
10-11	50	bulbs	
10-11	100	bulbs	

Compare lily bulb prices by the bud count, not by the case. Our Croft are priced low on the basis of blooms per bulb.

For those who cannot maintain an even 60 to 65 degrees (night temp.) we recommend precooled bulbs for Easter or early forcing.

Cultural directions sent with order or on request.



Miss Ruth Mauser, "Flowerland Greenhouses," Jamestown, N. Y., Showing Pot of One 8-9 Bulb with 12 Blooms

S.

Order Your Reservation NOW!

# Fleck's Dependable Bulbs

### FOR CUT-EASTER PANS-BEDDING

As this catalog goes to press, the latest word from Holland indicates a possibility of higher prices than those quoted here. We reserve the right to increase prices if necessary. All prices quoted are F.O.B. Philadelphia, ocean freight, packing, duty, insurance, etc. all included. You pay only the actual shipping from Philadelphia.

Tulips are bagged in units of 250. Please order 250 of a variety, if possible. The 1000 rate is allowed on 250 of a variety

TULIPS				
102110	First Size		Top Size	
TRIUMPH	$\frac{11-1}{100}$	.2 ctm. 1000	$\frac{12}{100}$ et	tm. up 1000
	100	1000	100	1000
Alberio. Scarlet, yellow edge. 16 in	\$4.00	\$32.00	\$4.50	\$38.00
Crater. Deep carmine red. 20 in.	4.00	32.00	4.50	38.00
Crown Imperial. Mahogany	1.00	02.00	2.00	30700
red, edged golden yellow. 12 in.	4.00	32.00	4.50	38.00
Edith Eddy. Cerise, white edge.				
18 in	4.00	32.00	4.50	38.00
Elizabeth Evers. Pink. 15 in	4.00	32.00	4.50	38.00
Elmus. Cherry red with white border. 20 in	5.00	43.00	6.00	54.00
Kansas. Snow white, lemon yel-	5.00	40.00	0.00	74.00
low center. 16 in	4.00	32.00	4.50	38.00
Korneforos. Bright red. 20 in	4.00	32.00	4.50	38.00
Red Giant. Scarlet. 16 in	6.00	54.00	7.00	65.00
Telescopium. Violet blue. 20 in.	4.00	32.00	4.50	38.00
Triumph Mixture	4.50	38.00	5.00	44.00
DARWINS				
All Bright. Bright red. 24 in	\$4 00	\$32.00	\$4.50	\$38.00
Aristocrat. Violet rose. 28 in		43.00	6.00	54.00
Bartigon Maximum. Crimson.	0.00	10.00	0.00	01.00
24 in	4.00	32.00	4.50	38.00
Bleu Aimable. Lilac mauve.				
Not a forcer. 24 in	5.00	43.00	6.00	54.00
Campfire. Deep vermilion. 24 in.	4.00	32.00	4.50	38.00
Cordell Hull. Red, striped rose. 24 in	4.50	35.00	5.20	42.00
Demeter. Dark blue. 28 in	5.00	43.00	6.00	54.00
Golden Age. Deep yellow. Not	0.00	30.00	0.00	01.00
a forcer. 24 in	4.00	32.00	4.50	38.00
Insurpassable. Lilae. 28 in	5.00	43.00	6.00	54.00
Niphetos. Ivory yellow. 28 in	4.00	32.00	4.50	38.00
Philip Snowden. Carmine rose.				
24 in	4.00	32.00	4.50	38.00
Pride of Haarlem. Cerise scarlet. Not a forcer	4.00	32.00	4.50	38.00
Princess Elizabeth. Rose pink.	1.00	1)2.00	4.00	90.00
26 in	4.00	32.00	4.50	38.00
Prunus. Salmon pink. 24 in	4.00	32.00	4.50	38.00
Red Pitt. Bright red. 24 in	4.00	32.00	4.50	38.00
Rose Copland. Lilac rose. 24 in.	4.00	32.00	4.50	38.00
The Bishop. Violet blue. Not a				
forcer. 28 in	5.00	43.00	6.00	54.00
Wm. Pitt. Searlet. 24 in	4.00	32.00	4.50	38.00
Zwanenburg. Pure white. 28 in.	4.00	32.00	4.50	38.00
Darwin Mixture	4.50	38.00	5.00	44.00



	T25	.t a: .	m	u.
		t Size 2 ctm.	10p	Size m. up
COTTAGE	100	1000	100	1000
Advance. Fiery red. Not a forcer.				
30 in		\$43.00	\$6.00	\$54.00
Albino. White. 20 in		32.00	4.50	38.00
Carrara. Pure white. 20 in	4.00	32.00	4.50	38.00
Dido. Light orange red. Not a forcer. 28 in	4.00	32.00	4.50	38.00
Golden Harvest. Deep lemon yellow. 26 in	4.00	32.00	4.59	38.00
Golden Measure. Deep canary				
yellow		43.00	6.00	54.00
Cottage Mixture.	4.50	38.00	5.00	44.00
SINGLE EARLY				
Couleur Cardinal. Brilliant				
erimson. 14 in			\$4.50	\$38.00
Gen. De Wet. Orange. 14 in		32.00	4.50	38.00
Ibis. Deep rose. 12 in		32.00	4.50	38.00
Keizerskroon. Bright red with broad, golden yellow border.		20.00	4 110	22.00
14 in		32.00	4.50	38.00
Olympiade. Golden yellow. 12 in. Prince of Austria. Orange red.		32.00	4.50	38.00
13 in		32.00	4.50	38.00
White Hawk. Pure white. 12 in.		32.00	4.50	38.00
Single Early Mixture	4.30	33.00	4.80	40.00
DOUBLE EARLY				
We offer these in 11–12 ctm. size over 12 ctm.	only,	as they	v rarely	make
Not recommended for cutting.	Ideal	for pan	work.	Excel-
lent for outdoors.				
Electra. Deep carmine.				
Van der Hoef. Golden yellow.				
Murillo. White shading delicate	e pinl	k.		
Orange Nassau. Deep orange	and	red.		
Peach Blossom. Deep pink.				
Schoonoord. Snow white.				
Triumphator. Very deep pink.				
Mixture.	100	0.40.00		
Prices of Doubles—\$5.00 per	r 100,	\$42.00	per 100	)()
C. BILL ABELBUIL				

### FLECK'S DEPENDABLE BULBS



Narcissus-Doubles

### NARCISSUS - Doubles

250 at 1000 rate

Don't overlook these for a source of early cut flouganuary, February, March.	wers for
100	1000
Texas. Pale yellow with orange-red petals through the center. Early. Beautiful and attractive. 16 in. D. N. No. 1\$10.5	0 \$95.00
Von Sion. Yellow trumpet and petals; large bloom on strong, erect stem. Fine for pans	
or cut. D. N. No. 1	a 90.00

NARCISSUS (Incomparabil	is)	
Fine for cut or pans.	100	1000
Fortune. Broad flat overlapping clear yellow perianth. Very large, glowing orange crown. Very early. 18 in. D. N. No. 1	\$10.00	\$95.00
Scarlet Elegance. Deep yellow perianth, cup deep orange-red, scarlet edge. Outstanding. 14 in. D. N. No. 1	9.00	85.00

### NARCISSUS (Poetaz)

(100102)		
Fine for cut or pans.	100	1000
Cheerfulness. White perianth with full double center of white and yellow. 2 to 4 blooms to a stem. Medium early. 14 in. D. N. No. 1		\$60.00
Geranium. Round flat pure white perianth.  Deep orange cup. Late. Strong stems of 6 to 8 blooms per stem. 14 in. D. N. No. 1		65.00
La Fiancee. Large, creamy-white perianth, flat orange cup. Excellent. Early. 5 to 8 blooms to a stem. 14 in. D. N. No. 1		60.00
L'Innocence. Pure white perianth. Canary yellow cup. Early forcer. Average 5 blooms on a stem. 14 in. D. N. No. 1		65.00

### NARCISSUS - Daffodils

SINGLE, TRUMPET VARIETIES

King Alfred. Clear golden yellow, both perianth and trumpet. Ours is an excellent strain. Every new customer becomes a steady buyer, year after year. There must be a reason.

outer of the contract of the c	Jours	2 22020 22200	o in a	TOUSOIT.
	Oregon	n grown	Hollan	d grown
	100	1000	100	1000
D. N. No. 1	\$10.00	\$90.00	\$9.00	\$80.00
D. N. No. 2	7.50	65.00	6.50	56.00
American grown D. N. 1	No. 2 pro	duces very	well for	cut.

Beersheba. A pure white King Alfred. Handle same as King Alfred. D. N. No. 1, \$20.00 per 100, \$160.00 per 1000

Flower Carpet. Deep golden yellow, improved King Alfred, but more profuse bloomer. D. N. No. 1, \$11.00 per 100, \$100.00 per 1000.

25 at 100 rate; 500 at 1000 rate

Please order in units of 500, if possible

Case lots of American grown can be shipped from New York, Philadelphia or Pittsburgh

### **DUTCH IRIS**



Our Superior Quality and Grading Unequaled
AMERICAN GROWN ONLY

Certified

We furnish an excellent Oregon-grown strain. These are specially graded for us. Our 8-9 compare very favorably with many 9-10 from other growers. Other sizes also graded full.

W	ed	g	w	o	0	d
---	----	---	---	---	---	---

8-9 ctm.	9–10 ctm.	10-11 ctm.	11 ctm. up
100 1000	100 1000	100 1000	100 1000
\$3.95 \$29.50	\$6.00 \$55.00	\$7.50 \$68.00	\$8.30 \$77.00
Imperator. Dark blue	6-7 etm. \$2.60 \$20.00	7-8 etm. \$3.90 \$34.00	8–9 ctm. \$5.30 \$40.00
White Superior.	4.00 34.00	5.50 47.00	7.00 62.00
Yellow Queen	4.00 34.00	5.50 47.00	7.00 62.00

250 at 1000 rate. Please order in units of 250, if possible All prices quoted are F.O.B. Philadelphia and subject to change without notice.

### FLECK'S DEPENDABLE BULBS

### CALLA - Aethiopica

Booking Now for Fall, 1951 Delivery



Western Grown

Finest quality obtainable

The correct curing of Callas is a slow process. This precludes any shipments before September.

$1\frac{1}{2}$ to $1\frac{3}{4}$ in		Prices
$1\frac{3}{4}$ to $2$ in		on
$2 \text{ to } 2\frac{1}{2} \text{ in}$		· Application
	100 rate, 250 at 1000 ra	

### CALLA - Elliottiana

Western Grown

Make very attractive pot plants.

25 at 100 rate, 250 at 1000 rate

Golden Yellow	Doz	a. 100 10	000
2 to $2\frac{1}{2}$ in	]	Prices not y	ret
$2 \text{ to } 2\frac{1}{2} \text{ in.}$ $2^{1} 2 \text{ to } 3 \text{ in.}$		established	l

### FREESIA (New Hybrids)

### EXTRA LARGE FLOWERING

Ready Fall — 250 bulbs at 1000 rate

These are money makers for the retail florist and require very little room. Excellent for corsages, table decorations, short vases, etc., delightfully fragrant.

Mammoth White. Pure white.

Mammoth Yellow. Pure yellow.

Tecolote Giants. Blue, Rose, Lavender, Talisman.

Fleck's Special Mixture of all the above colors.

 $^{3}\!\!/_{\!\!4}$ in. up<br/>—\$4.50 per 100, \$39.00 per 1000

### **CROCUS** (Top Size)

	100	1000
Baron Von Brunow. Blue	\$2.95	\$20.00
Purpurea Grandiflora. Purple	. 2.95	20.00
King of Striped	. 3.50	27.50
Snowstorm. Pure white	. 3.50	27.50
Giant Yellow	4.50	34.00
Mixture. Including white and yellow	3.40	25.00
250 at 1000 rate		

### **HYACINTHS**

Varieties marked \* are late blooming and therefore must be brought into greenhouse about a week earlier than other varieties for Easter, 1952, which is April 13.

### RED

Jan Bos. Rich scarlet, very early.
\*La Victoire. Brilliant carmine red.

### PINK

Gertrude. Rosy pink.

Lady Derby. Fine pink; very early.

\*Marconi. Deep rosy pink.

Pink Pearl. Rosy pink, very early.

\*Queen of the Pinks. Bright rosy pink.

### WHITE

Arentine Arendsen. Early.

L'Innocence. Earliest.

\*Queen of the Whites. Pure white.

### BLUE

\*Bismarck. Sky blue.

Grand Maitre. Deep porcelain blue.

\*King of the Blues. Best dark blue.

Perle Brilliante. Lavender blue.

Ostara. Porcelain blue.

### **YELLOW**

\*City of Haarlem. Yellow.

Prince Henry. Fine early yellow.

Yellow Hammer.

Prices are F.O.B. Philadelphia. No other charges. Subject to change without notice

Doz	. 100	1000
First Size, 18–19 ctm\$2.00	\$13.00	\$115.00
Second Size, 17–18 ctm 1.80	12.00	100.00
Third Size, 16–17 ctm	9.50	82.00

25 of one variety at 100 rate. Orders totaling 300 or more receive the 1000 rate if ordered in units of 50 of a variety



CROCUS, forced for early sales

### NARCISSUS - Paperwhite

250 at 1000 rate	100	1000
14–15 ctm	\$5.60	\$48.00

### FLECK'S GREENHOUSE SUPPLIES

### CHAMPION SPRAYERS AND **DUSTERS**

About the best made today. Simple, sturdy construction. Wearing parts easily replaced at low cost.





KNAPSACK **SPRAYERS** 

Duster No. 102

Brass	 \$29.90
Both of these are	
Extra 2 ft. Gun	

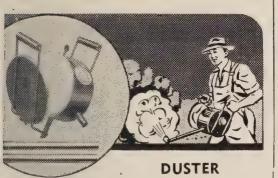
### SPRAY NOZZLES

Adjustable Spray Nozzle. For all pressure sprayers. Each \$2.25.

No. 59—Double Nozzle with 8 in. copper tubing. Each \$4.00.
No. 89—Weed Control Boom. \$7.95.
No. 90—Teejet Nozzle. \$1.90.

### SLIDE SPRAYER No. 202

An inexpensive sprayer. Works by sliding tube back and forth, drawing spray solution from a bucket. Can be used for paint or whitewash. Wearing parts replaceable at small cost. Each \$6.95.



No. 103-Hand model, works like an accordion. Holds 5 lbs. \$9.85.

No. 102. Holds 25 lbs. of dusting powders. Double action. Shoots powder as high as 30 ft. Complete, \$27.95.

### AUTO POP-NOZZLE ATTACHMENT

Flow instantly controlled by pressure of hand. Each \$2.75.

### SOIL HEATING EQUIPMENT (Electric)

This flexible heating cable can be used in hotbed, coldframe, or greenhouse bench. By applying "bottom heat" it provides positive control and faster stimulation of growth. Soil can be maintained at 15 deg. to 20 deg. F. above general house temperature. These operate on 110 Volts, 400 watts. One 60-foot cable heats 36 square feet of

belieff area.	
Thermostat No. 36X,54G1—For 1 to	
2 cables\$10.9	95
Thermostat No. 4984571G2 — Assembles with duplex receptacle and 3 ft. all rubber cord	
For 3 to 6 cables	
sembles with duplex receptacle and 3 ft. all rubber cord.	

### PARAGON SPRAYERS



ment	\$19.95
No. 1—6-gal., complete equipment	24.75
No. 3—12-gal., complete equipment	
with 1 or 2-wheel steel truck	33.95
No. 3—Complete without truck	28.25
No. 3 P.A.—4-gal. auxiliary com-	
pression tank, with hose connec-	
tion, air gauge and mouting brack-	
ets. Eliminates continuous pumping. Can be attached to any 12-gal.	
sprayer with truck. Extreme width	
18 in	19.50
No. 4—28-gal., mounted on wheels	
and complete equipment	54.75
No. 5—Complete, mounted on de-	
tachable all steel truck; 50 gal	97.95
Leather Cup Washers. 45c. each,	3 for
\$1.20.	
Air Gauge. For any sprayer, \$2.75	extra.
F.O.B. Harrison, Ohio	

### PARAGON POWER SPRAYERS

Paragon Power Sprayer, No. 3GM. 20-gal. tank. \$245.00.

Smith No. 2460. 4-gal. tank, galvanized auto sprayer. Complete, \$12.50.

### HAND SPRAYER

Smith—1-qt. continuous sprayer. Made of copper tubeing and brass canister.
Will last a lifetime......\$4.50

### Paints

TOP QUALITY ONLY

### RUST PREVENTIVE ALUMINUM PAINT

5 gals.....\$29.50

Gal.....\$5.95

Greenhouse White In	aterior. Mildewproof
Gal\$4.45	5 gals\$21.00
Greenhouse White	
	5 gals\$20.75
Outside 100% Pure	Oil Base.
	5 gals\$21.90
Brilliant Aluminum	
resisting to 700 deg.	F. Resists rust and
corrosion. A fine,	glossy, long wearing
	d for all jobs where
good results are ex	pected.
Gal\$4.65	5 gals\$21.90
Carter's Aluminum	
ance. 1,200 deg. R	lust preventive paint.



### GLAZING AIDS

Zinc Glazing Points. Sizes 5/8, 3/4, 7/8. Lb. 85c., 5 lbs. 80c. per lb., 10 lbs. 75c. per lb., 25 lbs. 70c. per lb.

Ask for price on larger quantities.

Fleck's Glazing Staples, Zinc Coated

Dimensions-5/16 in. wide x  $\frac{5}{8}$  in. long \$0.80 No. 2

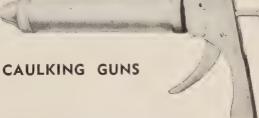
-For single thick glass.

No.  $2\frac{1}{2}$ -6/16 in. wide x 11/16 in. long .90 —For double thick glass. Copper Brads. ¾ in.—lb......



Glazing Hammers. Each \$2.05. Glass Cutters. Very good grade. Inexpensive. Each 35c., 3 for \$1.00, doz. \$2.95.





No. 32—The kind the experts use. 2 in. x 10 in. barrel. Capacity, 32 cubic inches. Contains two extra, heavy treated leather plunger cups and spring expander. Three various size nozzles supplied with each gun. Price, \$5.50 complete.

**No. 27**—2 in. x 7 in.....

### CAULKING COMPOUND

Gun Grade No. 1—This is the best made or greenhouse use. Super plastic 100% non-staining or non-oil exudent. Never dries out, cracks or crumbles. Adheres to any surface. Brilliant white. 50c. per cwt. on freight allowed on order for 200 lbs. or more. Gal. \$3.85, 5 gals. \$16.45, 55-gal. drum \$164.00.



### WHITE SHADING COMPOUND

10	lbs\$1.70	)
25	lbs 3.25	)
50	lbs 6.75	)
100	lbs12.50	)

Carter's Rust Preventive White.

Gal......\$6.95 5 gals.....\$34.50

Gal......\$6.40 5 gals.....\$31.00

### FLECK'S GREENHOUSE SUPPLIES

### RUBBER HOSE

Cheaper and Better Than Plastic





Finest 2-braid rayon hose ever made. Stands pressure up to at least 200 lbs. Any length 25 feet up.

Inside diameter Weight per 100 ft.

Heavy Brass Couplings. At no extra charge on 50 ft. or more. On pieces less than 50 ft., add 1c. per ft.

### FLARING ROSE NOZZLE



Each......\$1.35 3 for.....\$3.65

### SPRAY NOZZLE

Universal. Automatic gun type. Adjustable to fine spray.

No. 126.....\$3.45 each

### GREENHOUSE SPRINKLERS



No. 1—Stamped Sheet Brass, 4 in. face \$1.65, 3 for \$4.00.

No. 2—Cast Brass, 4 in. face \$2.25, 3 for \$6.00.

### WATER BREAKERS

No. 400—Allows up to 50-lb. pressure at full flow without washing out soil. Cast aluminum, unbreakable. Each \$1.75, 3 for \$4.60.

Skreenaire made on same principle as No. 400, but to take over 50-lb. pressure. Each \$2.35, 3 for \$6.50.

### LABEL MOISTENER

No.  $10-4\frac{1}{2}$  in. wide.....\$7.00

### WIRE FOR BENCH WORK

Galvanized.	In	12-lb.	stones.	Stone
No. 16				\$3.16
No. 18				3.46

### HOSE COUPLINGS



Cast Brass. ½ in., 5/8 in., 3/4 in.

Complete.......Each 42c., doz. \$4.60 Female ends only. Each 32c., doz. 3.40

### WROUGHT BRASS

Lighter weight than cast brass.  $\frac{1}{2}$  in.,  $\frac{5}{8}$  in.,  $\frac{3}{4}$  in.

Complete......Each 40c., doz. \$4.50 Female ends only....Each 35c., doz. 3.60

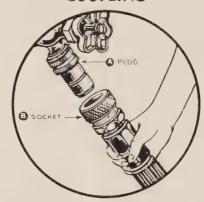
### CLINCHING TYPE WROUGHT BRASS "PERFECT"



Fingers are of steel, plated to prevent rust.  $\frac{1}{2}$  in.,  $\frac{5}{8}$  in.,  $\frac{3}{4}$  in.

Complete........Each 50c., doz. \$5.40 Female ends only....Each 45c., doz. 4.70

## BRECO "LIGHTNING" HOSE COUPLING



Best ever made for quick connecting or disconnecting water hose. These couplings are guaranteed indefinitely. Standard  $\frac{3}{4}$  in. Complete coupling \$2.50. Extra plugs for faucets, each 75c.

### WROUGHT BRASS "PERFECT" HOSE MENDERS

½ in., ½ in., ¾ in... Each 20c., doz. \$2.00





Steel Hose Clamp "Perfect" Hose Mender Hose Clamps. ½ in. and 5% in. doz. 60c.; ¾ in. doz. 65c., 1 in. doz. 75c.

### HOSE REDUCERS

Cast brass. From 1 in. pipe to fit  $\frac{3}{4}$  in. hose. Each 70c.

### HOSE WASHERS

Rubber. For ¾ in. hose connections. ¼ lb. 90c. Doz. 15c.

### TEMPERATURE ALARM



G.H. 3-Each \$17.00.

G.H. 4—Waterproof as shown above. Each \$22,00.

### **APRONS**

Gray, Double Rubberized. Full size. Weight, 1½ lbs. Heavy duty. Each \$3.65, 3 for \$9.70.

Gray, Lightweight. Sturdy. Each \$3.25, 3 for \$8.95.

Blue Denim. Medium size. For potting work or shop use. Each \$1.95, 6 at \$1.85 each.

### KNEE PADS (Rubber)

A comfort-giving knee cushion. Built of solid and soft sponge rubber to fit contour of the knee.

Straps adjustable to fit any knee and will not slip down when walking.

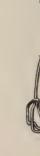
Per pair.....\$2.95



### POT HANGERS

Krick's. Special temper steel wire, bronzed. Space saver in the greenhouse or in shops to display specimen plants. Prices on all sizes or assortment. No. 1 for. . . . 4 in. pot No. 2 for. . . 5 in. pot No. 3 for. . . 6 in. pot Doz. . . . \$1.50 4 doz. . . . 5.10 12 doz. . . . 14.90

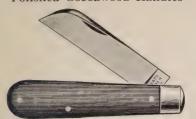




### FLECK'S SHOP AND GREENHOUSE SUPPLIES

### FLORIST'S KNIVES (Best Made)

Polished Cocoawood Handles



No. 11511/2. Nice size. 21/4 in. blade length. Each \$2.00, doz. \$22.00

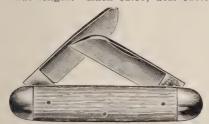
### WHITE HANDLE KNIVES



No. S19441/2W. Trim, light single blade with shackle for attaching chain. 2 in. blade length. Each \$2.60, doz. \$30.00.



No. 1944 % W. Same as above, except blade is slightly turned down as shown. 2 in. blade length. Each \$2.50, doz. \$29.50.



No. 7164½W. Very neat and sturdy, two blades. 1½ in. blade length. Each \$3.00, doz. \$33.00.

Corona Clipper, No. 21-73/4 in. Each



### RESPIRATORS AND GOGGLES



RESPIRATOR, Dupor's No. 4. For protection from harmful dust and light fumes (not effective against poisonous gas). Should be worn when working with insecticidal dusts, arsenicals and dry fertilizers. Covers nose and mouth. Each \$2.85.

Dupor's No. 10. For gas, etc. \$5.45.
Extra cartridges for No. 10. Each 60c.

GOGGLES, Rubber. Protect your eyes while working with harmful dusts or gases. Each \$2.45.

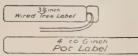
### RUBBER THUMB PROTECTORS

Man's size. Save	your thumb	when
making cuttings.		
6 for\$0.75	25 for	.\$2.50
12 for 1.40	50 for	4.85

### LABELS

Finest Manufactured-Smooth

8 to 12 inch

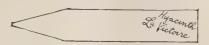


			Garden Labe	-/	
				Plain	Painted
ot			Packaged	Pkg.	Pkg.
4 in.	X	5/8	in.—1000	. \$3.30	\$3.95
5 in.	X	5/8	in.—1000	. 3.60	4.30

6 in.  $x \frac{5}{8}$  in.—1000..... 3.90 Garden 

Tree Labels. 3½ in. copper wired—painted. 250 for \$2.00, 1000 for \$5.75.

### OTHER SPECIAL LABELS



Celluloid Pot Labels. Made of white celluloid with specially prepared writing celluloid with specially prepared writing surface. For indoor or greenhouse use in seed pans, pots, etc. Excellent for Orchids. Marked with lead pencil. Indestructible, economical, markings easily erased and the labels used repeatedly.

Simplex

Simplex Weatherproof Garden Labels. With stakes 24 in. long. For per-manent or formal mark-ings of shrubs, flower beds, ings of shrubs, flower beds, specimen plants or nursery stock. Valuable for experimental work as cards may be quickly marked and the record easily extended or changed. The card holder is made of special rustproof iron electrically welded to the iron stake. Finished in dark green enamel. These stake labels are provided with white celare provided with white celare provided with white celluloid cards and genuine mica transparent covers. No. 11—3x2 in. Each 40c., 10 for \$3.75, 50 for \$17.50, 100 for \$31.50, 250 for \$77.50.

Extra White Celluloid Cards.

# . Rose - Los Angeles

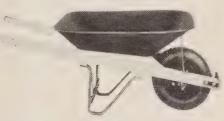
Green Weatherproof Plant Labels.
Easily marked with a sharp pointed steel stylus which cuts through to the white base, producing a very beautiful effect of white lettering on a dark green back-ground. In boxes of 100, including copper wires for attaching and steel stylus for No. 31—3x½ in... \$2.50 No. 32—4x¾ in... 4.00 No. 33—5x1 in... 5.50 PRUNING SHEARS



Snap Cut No. 119-8 in. overall. Heavy duty professional type. A very good, in-expensive shear for general use. Each \$2.25, 3 for \$6.15.

German Make. Finest steel. Will last a lifetime. \$4.95.

### WHEELBARROWS



Steel Tray. 4 cu. ft. as shown above. Roller bearing wheels. Heavy duty tire. Complete \$29.95.



Fleck's Greenhouse Wheelbarrow. Narrowest made. Extreme width 20 in., which includes protective hand guards. With ball-bearing wheel and heavy duty tire. Each \$32.00.

With plain bearing wheel and heavy duty tire. Each \$29.30.

No. 1 Wooden Barrow. Largest size

made. Roller bearings and heavy duty tire. \$37.00.

### SUDBURY SOIL TEST KITS



Model B. For the grower whose requirements do not call for the larger professional equipment. Tests for same elements as other kits. Weight packed, single, approximately 7 lbs. \$11.90.

single, approximately 7 lbs. \$11.90.

De Luxe Model A. Finest equipment—widely used by large growers, nurseries and Government departments. Cased in handsome, streamlined, vault type welded steel, pearl finish container. Full length piano hinge. Sturdy carrying handle. Complete instructions. Each \$19.50.

Refill Solutions. 2 oz. \$1.00, 6 oz.. \$2.00

### FLECK'S SHOP AND GREENHOUSE SUPPLIES



### GALVANIZED STEEL FLOWER VASES

Style No.	Size .	Each	Doz.
57	5x5 in	\$0.75	\$ 8.50
58	$5\frac{1}{2}$ x6 in	.80	9.00
59	$6\frac{1}{2}$ x7 in	.95	10.40
65 .	$7\frac{1}{2}$ x8 in	1.25	13.50
66	9x10 in	1.50	16.90
67	$9x11\frac{1}{2}$ in	1.70	18.00
68	$9x12\frac{1}{2}$ in	1.80	19.80
68B	$9x15\frac{1}{2}$ in	2.00	21.00
69	9x18 in	2.10	22.90
70	$9x23\frac{1}{2}$ in	2.30	24.50
253	$4\frac{3}{4}$ x 10 in	1.10	11.25
254	$5\frac{1}{2}$ x11 in	1.15	12.00
255	$6\frac{1}{2}$ x12 in	1.25	14.25
256	$6^{1}_{2}$ x $13^{1}_{2}$ in	1.35	15.25
257	$6^{1}_{2}$ x15 in	1.50	16.50
258	$6^{1}_{2}$ x17 in	1.60	-17.00

### FLECK'S CEDAR TUBS

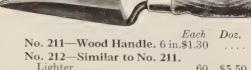


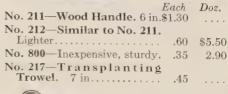
White cedar, bound with heavy wire hoops, electrically welded. Painted green.

	1718rae	m easur	ements	W eight	
	Top	Bottom	Depth	Each	
Size	In.	In.	In.	Lbs.	Each
No.	2 7	5	7	11/2	\$1.40
No.	3 8	6	8	$2^{1/2}$	1.50
No.	4 9	7	9	$2\frac{3}{4}$	
No.	5 10	$7\frac{1}{2}$	9	3	
No.	7 12		11	$4\frac{1}{2}$	
No.	9 14	11	13	7	
No. 1	1 16	$12\frac{1}{2}$		9	
No. 1	<b>3</b> 18		17	$12\frac{1}{2}$	
A ~1	- 60			6 100	

for quotation on lots of 100 or more. We ship twelve tubs for the price of eleven.

### TROWELS (Johnson)







### SOIL SHREDDERS

We list below a few models that have proven satisfactory for the average greenhouse operator. All prices are F.O.B. manufacturing point and subject to change without notice. 3 per cent discount for cash with order. Full, detailed circulars sent on request.

### WICHITA GRINDER



Grinding Screen. Shreds, grinds, screens, mixes with wheel and handles. \$119.50. With motor by Briggs & Stratton. 1½ horsepower. \$178.00.

A 1 horsepower motor will operate this model with complete satisfaction. F.O.B. Wichita, Kansas

### WONDER GRINDER

12 in. Grinder only	139.00
On skids and 6 h.p. gas motor	277.00
18 in. Grinder only	186.00
On skids and elevator less motor.	370.00
Ask for circular with complete infor	mation

### AEROIL BURNER

Burns 6% Kerosene, 94% Air



For destroying any kind of weed or brush, killing stems, roots and seeds. Burner can be used with any type compression tank. Also used for thawing.

No. 99 Giant. Complete with 5-gal. tank. Delivers flame 4 in. x 3 ft. \$27.25 No. 99 Senior. Complete with 4-gal. tank. Flame 3 in. x 2½ ft...... 22.00

### CARNATION MENDERS



Before and After Mending 7 1000 for 50c., 5000 for \$2.20, 10,000 for \$4.00.

### LINDIG'S SOIL SHREDDERS



Model Jr. B. Only..... ..141.50 Write for descriptive folder.

Model 1B-4. Total height, 36 in. Overall in. across top. Shredding rotor,  $8\frac{1}{2}$  in. wide, with 4 sets of blades, 4 blades in each set (total 16); 3 stationary blades. Power:  $\frac{3}{4}$  h.p. electric motor or  $\frac{1}{2}$  h.p. gas engine. Weight, 155 lbs.

Model 1B-6. Specifications for this model are the same as for Model 1B-4, except there are 6 blades in each set (total 24). 5 stationary blades. This model is designed for extra fine shredding. Power: 34 h.p. electric motor or 1½ h.p. gas engine. Weight: 165 lbs.

Above 2 models capacity up to 8 cu. yards per hour.

Without With ¾ H.P. Power Electric Motor
Model 1B-4....\$130.00 \$195.50
Model 1B-6.... 135.00 200.50
Gas Engines, 1½ h.p., with clutch.\$70.00
Rubber Tires, 10x3.5x4...\$20.00 per set
Heavy Duty Cord. 25c. per ft. in any length up to 250 ft. 

### KEMP SOIL SHREDDERS



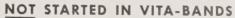
No. 6—Complete with ½ h.p. electric motor, 3 ft. of cord, mounted on truck with wheels. \$162.00. With ¾ h.p. electric motor, \$172.00.

No. 6—Complete with 1½ h.p. Briggs & Stratton gas engine, mounted on truck with wheels. \$162.00.

No. 6—Complete, less engine or motor, mounted on truck with wheels. \$110.00.

Rubber Tired Wheels. \$12.50 extra. F.O.B. Erie, Pa.









Here's convincing, authentic proof that snaps started in Vita-Bands get an all important head start. Nutrient treatment, rootball protection given by Vita-Bands aids vigorous growth to continue without halt right through transplant period.

# Amazing pictures prove snaps started in BIRD VITA-BANDS get important head start to market

### Higher Profits earned by Premium Blooms

The photographs above show the actual history of a crop of snaps. Both crops were grown in the same soil, the same house, and under the same conditions.

The snaps at right (not in Vita-Bands) were seeded June 12th, benched July 26th, and the picture was taken October 15th.

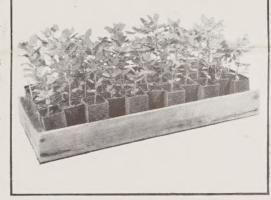
Twelve days later (June 24th) the snaps at left were seeded. They were transplanted to Vita-Bands, and then benched on August 10th. The photograph was also taken on October 15th!

But...look at the difference! The snaps started in Vita-Bands are healthier, sturdier, far ahead of the others...and the premium blooms they produced commanded top prices!

We'll be glad to show you other histories . . . to illustrate how *you* can profit by using Bird Vita-Bands. Just send us a line, using the address below.

Order from supplier's catalog, or write us direct . . . Bird & Son, inc., Dept. FR-4, East Walpole, Mass.

Flat of young snaps shows set-up of Vita-Bands, typical sturdy growth. Vita-Bands require minimum of labor, produce higher net profit from premium blooms in the early market.





VITA-BAND 10 for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food . . . your judgment determines need for additional feeding. Especially good for annuals and vegetables.



PLANT BA	INDS	PRICE PE	R 1000 -	-SIZES II	N INCHES		施	
Sold in units of 1000 only	1½ x 1½ x 2½	1¾ x 1¾ x 2½	2 x 2 x 2½	2 x 2 x 3	2½x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4
VITA-BAND 10	3.60	3.90	4.40	4.90	5.85	6.75	8.85	11.10

Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.

BIRD VITA-BANDS . TOM THUMB FLATS . VITA-POTS . RED POTS



# CUPRINOL WOOD PRESERVATIVE

Don't repair greenhouse benches without first treating the new lumber with this wonderful money saver. Stops wood rot and keeps vermin out. Use it also on your seed flats. Easy to apply. Dip, spray or brush. Will save you many dollars in lumber bills. One gallon will treat and protect about 400 sq. ft. of wood. Average cost, ½ cent per square foot.



cost, ½ cent per square foot. Will not harden in containers like paint does.

CUPRINOL (Clear). Gal. \$3.90, 5 gals. \$18.25, 50 gals. \$170.00.

CUPRINOL NO. 10. Green. Qt. \$1.45, gal. \$3.75, 5 gals. \$16.50, 15 gals. \$45.00, 50 gals. \$125.00. For cash with order on 50 gals., \$120.00 net.

CUPRINOL NO. 14. For dipping seed flats, stakes, etc. Green. 5 gals. \$10.90, 15 gals. \$29.75, 50 gals. \$98.50.

Freight paid on 15 gallons up

### Plant Goods and Gertilizers FLECK'S FEEDER (15-30-15)

Organic, highly soluble. Designed to build soil structure as well as feed. Does not leach out quickly. Feeds longer. Broadcast sparingly or use with syphon while watering. Soils should be damp before applying; then water in well. 1 tablespoon to gallon of water or broadcast 1 lb. to 400 square feet. ½ teaspoonful to 4 in. pot plant. Lb. 50c., 5 lbs. \$1.80, 10 lbs. \$3.00, 50-lb. bag \$10.50, 100 lbs. \$19.00.

BONEMEAL GROWERS SPECIAL. 100 lbs. \$5.90, 200 lbs. \$10.75, 500 lbs. \$24.50, 1000 lbs. \$48.25, ton \$95.00.

ELECTRA 5-10-3. 80 lbs. \$6.45.

GENERAL CROPS (5-10-5). Organic base. Good all-around fertilizer. 100 lbs. \$4.85, 500 lbs. \$22.00, 1000 lbs. \$41.50, ton \$79.00.

HY-GRO (13-26-13). Excellent feeder. 3 ozs. 40c., 20 ozs. \$1.10, 10 lbs. \$4.90, 25 lbs. \$7.95, 50 lbs. \$15.00, 100 lbs. \$28.90. See resale items, general can be a

HYPONEX (7-6-19 with Vitamin B-1 Added). Highly concentrated. Excellent and nice to handle for feeding pot plants, seedlings, etc. 1 lb. makes 100 gals. 3 ozs. 25c., 7 ozs. 50c., lb. 90c., 10 lbs. \$6.35, 25 lbs. \$12.00, 50 lbs. \$20.00, 100 lbs. \$31.50. See resale items, general catalog.

LIQUA VITA (6-9-7 and Other Plant Foods 22). Highly concentrated liquid fertilizer. Easy to use. Gal. \$3.50, four 1-gal. in one shipment. \$11.85.

MURIATE OF POTASH (60%). 5 lbs. \$1.25, 10 lbs. \$2.00, 100 lbs. \$5.85, 500 lbs. \$24.50.

"MUM" FOOD (4-12-8). 100 lbs. \$5.25, 500 lbs. \$24.50, 1000 lbs. \$41.50.

"SNAP" FOOD (5-10-10).

100 lbs. \$5.25, 500 lbs. \$24.00.

PHOSPHATE and POTASH MIXTURE (0-14-7). 100 lbs. \$4.00, 500 lbs. \$18.00, 1000 lbs. \$28.00, ton \$44.00. (0-20-20). 100 lbs. \$7.00, 500 lbs. \$31.50

SUPER PHOSPHATE 20%.

100 lbs. \$3.40, 200 lbs. \$6.40, 500 lbs. \$14.00, ½ ton \$26.00, ton \$45.00.

### SYPHONS

For use in applying liquid fertilizers plant foods, sodium selenate, etc. HOZON SYPHON. \$1.75.

See Our General
Catalog for Complete
List of
INSECTICIDES

# Rooting Powders

### HORMO-ROOT

HORMO-ROOT "A" (New). For florists' general use. 2 ozs. \$1.00, ½ lb. \$2.75, lb. \$5.00.

HORMO-ROOT "B" (New). For evergreens. 2 ozs. \$1.25, ½ lb. \$3.50, lb. \$6.50.

HORMO-ROOT "C" (New). Strongest compound for hardwood plants. 2 ozs. \$1.50, ½ lb. \$4.50, lb. \$8.00.

Hormo-root powders are light and usually go further than other preparations. 1 lb. should treat 35,000 to 40,000 average cuttings.

### HORMODIN

HORMODIN POWDER NO. 1. A general purpose powder especially good for all softwood cuttings. 1-lb. tin \$3.00.

HORMODIN POWDER NO. 2. For woody and semi-woody types. 1-lb. tin \$4.50.

HORMODIN POWDER NO. 3. For evergreens and dormant leafless cuttings. ½ lb. \$4.50.

### **PROLIFEROL**

It not only induces rooting, but it also promotes vigorous growth due to natural elements, scientifically compounded and added to the mixture.



"RED LEAF" (Powder Form). For dusting seeds and cuttings. 2-oz. jar \$1.00, lb. \$4.50.

### ROOTONE

ROOTONE. 2 ozs. \$1.00, lb. \$5.00.

### FLOTE

Not a rooting powder. This is used only when you desire to make a wet solution of any rooting powder for dipping cuttings. Flote added to the solution keeps it in suspension, so that the last cuttings get the same amount of hormones as the first dipped. It prevents settling. 1½ oz. jar 85c.

### ROOTING POWDER BLOWER

JIFFY POWDER BLOWER or DUSTER.
Makes dusting cuttings quick and easy.

### SEEDLING STIMULANTS

TRANSPLANTONE. The finest thing you can use when transplanting seedlings inside or outdoors. Relieves shock to seedlings. 3 ozs. \$1.00, lb. \$4.00.

HYPONEX. Plant food, highly concentrated. For seedlings, growing plants. 3-oz. can 25c., 7-oz. can 50c., lb. can 90c., 10 lbs. \$6.35, 25 lbs. \$12.00.

# Books for Florists

A small investment in these books may pay you big dividends.

### Commercial Flower Forcing

Recommended for the greenhouse operator who wants more technical knowledge. Edited by Profs. Alex. Laurie and D. C. Kiplinger of Ohio State University. Revised 1944. Tells how to detect diseases and correct them. Use of insecticides, fertilizers, heating problems, etc. \$5.00 postpaid.

## Florist Crop Production and Marketing

By Kenneth Post, Ph.D. Complete, upto-date, for the beginner or experienced florist. Covers plant culture and marketing from A to Z. \$10.25 postpaid.

### Commercial Floriculture

By Fritz Bahr. Recommended especially for the beginner. New edition covers retail flower growing, etc. \$6.25 postpaid.

### Garden and Greenhouse Chrysanthemums

By Laurie and Kiplinger. Largely on greenhouse Mums. \$2.75 postpaid.

### Soils and Fertilizers

By Laurie and Kiplinger. \$2.75 postpaid.

### Flower Arrangement

8th edition, Sept. 1950 on Voge

Vogue in Flowers. A "Guide to Correct Wedding Customs." 96 pages of pictures of wedding arrangements, bridal bouquets, flowers for attendants, boutonnieres, church decorations, wedding tables, corsages, etc. \$2.25 postpaid.

The Album of Designs—Funeral Flowers. New 20th edition ready about Feb. 1951. Handsome pictures of funeral pieces, many full-page size; assist greatly in taking funeral orders more quickly. \$2.25 postpaid.

The Designer's Notebook. Up-to-date methods of arranging funeral work, wedding bouquets, corsages and table flowers. Illus. For beginners and experienced designers. 96 pages. \$1.25 postpaid.

# PEST AND RODENT EXTERMINATORS

ANT DESTROYER. Simple and easy to use. No fuss or bother. Lasts a long time. Use a few traps around your seed flats Trap 25c., doz. traps \$2.00.

ANT JELLY BAIT. Does same job as above traps. Tube 35c., 6 tubes \$2.00.

MAGIKILL ANT JELLY BAIT. 3-oz. tubes \$1.00, doz. tubes \$9.00.

MOLE-NOTS. Most economical means of getting rid of this energetic destroyer. Also for gophers. Box 35c., doz. boxes \$2.80.

MOUSE SEED. Sure death. Just put about ½ teaspoonful in a little pile here and there. It gets them. Box 25c., doz. boxes \$2.00.

RAT-NOTS. "Their last meal." Big family meals size. Box 25c., doz. boxes \$2.00.

RAT-TU. Highly effective powder. Dusted around holes or runways. It gets them. Can 60c.

ROACH-NOTS. They rid your place of this pest. Box 25c., doz. boxes \$2.00.

# Begonia

FIBROUS-ROOTED—ALL THE BEST



### GRACILIS TYPES-6 to 10 in.

Dwarf and Medium Tall Varieties	Tr. pkt.	1/64 oz.	1/32 oz.				
Adeline. Rich rose pink. Green foliage.  Dwarf, compact. Very similar to Pink Pearl.	\$1.00	\$2.50	\$4.50				
Ball Red. Bright red; medium dwarf Carmen. Clear rose pink, greenish bronze			4.50				
foliage; 8 to 10 in. Makes a beautiful pot plant	1.00	2.25	4.00				
Carmen with reddish, dark bronze foliage. Bright scarlet.  King of the Reds. Glowing scarlet, foliage	1.00	2.25	4.00				
green with bronze edge  Luminosa. Rich deep scarlet with green	1.00	2.25	4.00				
brown foliage. Very floriferous. Height 10 in  Luminosa compacta. Identical with Lu-	1.00	2.25	4.00				
minosa, but considerably more dwarf growing in perfect little global plants:	1.00	0.55	* 00				
6 to 8 in	1.00	2.75 $1.75$	5.00				
Snow Queen. Finest white for pot plant sales. Light green foliage	1.00	2.25	4.00				
Dwarf Mixed. Choice blend	1.00	2.50	4.50				
SEMPERFLORENS-10 to 14 in.							
Taller Varieties							
Christmas Cheer. Brilliant cherry crimson of distinct shade; large bronze foliage.	\$1.00	\$1.75	\$3.25				
Ile de France. Snow white, exceedingly large flowers; light green foliage	1.00	2.00	3.50				
Masterpiece. Pure rose pink; large flowers; light green foliage	1.25	2.25	4.00				
Scandinavia Pink. Large flowers, green foliage. Bright rose pink. Dwarf and bushy.	1.00	2.50	4.50				
Scandinavia Red. Bright carmine scarlet.		2.50	4.50				
Scandinavia White	1.00	2.50	4.50				
<b>Special Mixed</b>	1.00	2.00	3.00				